

DPS-3748
COPY 1 OF 2

Jim

26 August 1958

SUBJECT: Continuation of Work on "C" Configuration

TO: Contracting Officer

Reference your letter DPS-3093 dated 15 August 1958 which forwarded Perkin-Elmer's revised proposal for continuing work on "C" configuration until 22 August 1958. The statement of work included in this proposal appears to be satisfactory, and it is requested that [] be obligated to Contract No. HF-32-27 to cover this additional work.

The attached memorandum summarizes the meeting held at this Headquarters on 21 August 1958 to discuss progress made by P-E and Hycon toward improving the "C" configuration. In confirmation of the verbal go-ahead given to P-E at this meeting, it is requested that the Period of Performance of Contract No. HF-32-27 be extended to 30 September 1958 to allow the contractor to install modifications developed during the previous flight tests and to conduct four typical mission profile flights using this configuration. Upon completion of this work, the contractor will prepare the equipment for delivery to Laughlin AFB.

You are requested to obtain a proposal from P-E in accordance with the above for the additional work through 30 September 1958 to include their subcontract effort with Hycon. Obligation of FOG funds not to exceed [] is authorized to cover this work.



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Amend #1
2 2

60:01101 67:004 8861

DOCUMENT NO. _____
NO CHANGE IN CLASS. *X*
DECLASSIFIED
CLASS CHANGED TO: TS, S, C

P-E
HF-32-27
Prop. Sec

Encl #1

DPS-3748
COPY 1 OF 2

MEMO FOR THE RECORD:

"C" CAMERA CONFIGURATION CONFERENCE21 August 1958

With reference to the "C" Configuration Conference held at this Headquarters on 22 May 1958 wherein the Air Force assumed full responsibility for the development of the "C" camera configuration and as a result of the subject conference directed certain modifications to the "C" configuration. This modification program was to have been completed 1 August 1958. However, due to an aircraft accident, the availability of a flight test vehicle delayed this program for approximately three weeks and accordingly, the work was not completed until 15 August and a review and examination of the results obtained were held this date. The cost of the original modification program was budgeted at [REDACTED] Re-estimates of this cost indicate an overrun of approximately [REDACTED].

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Film clips and flight test data were reviewed on 21 August and it is my opinion as well as that of others attending the conference, that considerable improvement was made to the "C" configuration. The definition of this improvement expressed in lines per millimeter indicates improvement from about 10 lines per millimeter to approximately 17 lines per millimeter. However, visual examination of the negatives and prints to the uneducated eye indicate a far greater improvement has been obtained. Approximately 90% of the format appears now to be in focus compared to approximately 5% previously. Without exception all conferees agreed that further improvement of the "C" configuration is possible and desirable. Difficulty in obtaining further improvement remains the question. Lacking any guidance other than that implied and normally assumed by this office, the contractor was directed to proceed to permanently install modifications used during the previous flight test and to conduct four typical mission profile flights, the film to be processed and evaluated by SAC units. In this fashion, it is our intent to ascertain the effectiveness of this weapon.

The contractor was also requested to submit a proposal for contractor support of this one camera within the SAC organization. Tentatively this includes one field engineer, OIC, possibly one optics technician, and two camera frame field service technicians. Also, the contractor is to recommend the types of skills and amount of training required of SAC. The contractor was also requested to submit a proposal for the rework and further modification of an additional "C" configuration. Implementation of this proposal depends upon recommendations received from SAC as to how acceptable the present configuration may or may not be.

"C" Camera Configuration Conference, 21 August 1958

Costs and support of the modifications and testing of the "C" configuration appear to be following a [] per month schedule. Additional funds will be required to support any further modification programs and improvements to the additional "C" configuration.

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Samples of the film clips and prints will be forwarded to Hq SAC for their evaluation. Project Headquarters expressed keen interest in the furthering of the development of the "C" configuration, however, no offers or funds support has been made to date.

Mr. Denard of WSSC was directed to ship 18 rolls of "C" film to the flight test center in support of the further test work.

Personnel attending this conference were:

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Hq AMC, USAF
Hq ARDC, USAF
Hq AMC, USAF
DOD
DOD
DOD
P-E
P-E
P-E
P-E
Hycon
Hycon
Hycon
Hycon